

BONCH-OSMOLOVSKIY, Ye.Ye., podpolkovnik meditsinskoy sluzhby

Diagnosis and treatment of acute nonspecific mesenteric lymphadenitis.
Voen.med.shur. no.12:60-64 D '56. (MIRA 10:3)

(LYMPHADENITIS

mesentery, diag. & ther. of acute non-specific)

(MESENTERIES, dis.

lymphadenitis, acute non-specific, diag. & ther.)

SOV/177-58-1-10/25

17(1)

AUTHORS: Bonch-Osmolovskiy, Ye. Ye., Colonel of the Medical Corps, Treyster, G.N., Colonel of the Medical Corps, Tolstyy, N.I., Major of the Medical Corps

TITLE: Shinbone Swelling Caused by Marching (Marshevaya opukhol' goleni)

PERIODICAL: Voenno-meditsinskiy zhurnal, 1958, Nr 1, pp 40 - 43 (USSR)

ABSTRACT: Many physicians, including G.I. Turner, S.S. Babkin, P.V. Kostyriv, V.A. D'yachenko, M.I. Sitenko, N.M. Markelov and Martan have written about "deutsch-laender's Disease" but only S.A. Reynberg describes it in his manual (1955). He points out that this disease is based on special shin changes. The authors divide the shinbone swelling into 5 periods. The initial period is characterized by pain and indistinctly limited shin swelling without any changes noted by X-rays. During the second period, periosteal stratifications and limited yet compact swelling ap-

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SOV/177-58-1-10/25

Shinbone Swelling Caused by Marching

pears at the intraposterior surface of the tibia's upper third. In the third period, periosteal stratifications, the bone and the bone marrow canal form a compact sclerosed zone. The fifth or the so-called involution and restoration period, shows the normal bone structure in the affected part of the tibia. based on their observations and case histories, the authors state that rehabilitation may be accelerated by rest and physiotherapy. Frequently, the periosteal spindle tends to reach a certain size, but this growth process is of short duration. There are 2 photographs.

Card 2/2

BONCH-OSMOLOVSKIY, Ye.Ye.

Errors in the diagnosis of sarcomas of the osseous apparatus. Zdrav.
Belor. 5 no.11:13-16 N '59. (MIRA 13:3)

1. Iz Okruzhnogo voyennogo gosпитalya (nacahl'nik gosпитalya M.V.
Khiteyev).

(BONES--TUMORS)

USSR/Soil Science - Tillage. Amelioration. Erosion.

Abs Jour : Ref Zhur Biol., No 1, 1959, 1417

Author : Bonchepko, V.I.

Inst : AS USSR

Title : Subsoil Mole-Drain Irrigation and the Influence of Artificial Mole-Ditches on Soil and Plants.

Orig Pub : V sb.: Biol. osnovy oroshayem. zemled. M., AN SSSR, 1957, 91-104

Abstract : It was shown that irrigation of fields using mole-ditches placed at a depth of 40 - 50 cm with a plow with a distance of 55 - 100 cm between them, was effective insofar as there was an increase in the moisture supply in the soil, improvement of its water-air regime, and rational utilization of soil moisture by the plants. Mole-drains had a favorable influence on

Card 1/2

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00000206210012-7"

ROBINZON, Ye. A.; GRISHINA, O. N.; MUKHAMEDOVA, L. A.; URMANCHEYEV, F. A.;
IZMAYLOV, R. I.; BONGHER, L. Ye.; KASHAYEV, S. -Kh. G.; AMIRKHANOVA,
N. G.; GONIK, V. K.; BAYBUROVA, M. Kh.; NECHAYEVA, M. A.

Petroleum of the Tatar A. S. S. R. Izv. Kazan. fil. AN SSSR. Ser. khim.
nauk no. 4: 93-113 '57. (MIRA 12:5)
(Tatar A. S. S. R. -- Petroleum)

BONCHES, Ts. ; DIMITROVA, S.

Electrometric determination of the contact difference of potential between metal and electrolyte. p. 209. Sofiya. Universitet. Fiziko-matematicheski fakultet. GODISMIK. MATEMATIKA I FIZIKA. Sofiya. Vol. 48, no. 1.

SOURCE: East European Accessions List. (EEAL) Library of Congress. Vol. 5, No. 8, August 1956.

BONCHET-ERNESTOWA, Irena

Slow air embolism due to criminal interruption of pregnancy.
Arch.med,sad.,Warszawa 6:87-90 1955.

1. Z Zakładu Medycyny Sądowej A.M. w Łodzi. Kierownik: prof.
dr. B. Fuchowski.

(ABORTION, CRIMINAL, complication
air embolism of heart & pulm.arteries, causing death)

(EMBOLISM,
late air embolism of heart and pulm. arteries after
criminal abortion with soap, causing death)

BONCHEV, B.

i New methods for connecting iron conductors coated with zinc. p. 27.
RADIO. (Ministerstvo na poštite, telegrafite, telefonite i radioto
i Tsentralnii suvet na dobrovolnata organizatsiia za sudeistvie na
otbranata) Sofiya. Vol. 4, no. 5, 1955

SOURCE: East European Accessions List, (EEAL), Library of Congress
Vol. 4, No. 12, December 1955

BONCHEV, B.

For phonograph-record enthusiasts. p. 31

Vol. 4, no. 6, 1955
RADIO
Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 4 April 1956

BONCHEV, B.

Construction of piezoelectric crystals. p. 62.

Vol. 4, no. 7/8, 1955
RADIO
Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 4 April 1956

BOCHNEV, B.

BOCHNEV, B. Double air condenser for spray short wave. p. 21.

Vol. 4, no. 10, 1955

RADIO

TECHNOLOGY

Sofiya, Bulgaria

So: East European Accessions, Vol. 5, no. 5, May 1956

BONCHEV, B.

Regulators for feeding voltage; toroidal regulated transformers.

(Supplement) p. IV.

RADIO. Vol. 4, No. 11, 1955

Sofiya, Bulgaria

So. East European Accessions List Vol. 5, No. 9 September, 1956

BONCHEV, B.

New Method for Connecting Galvanized Iron Conductors. Radio Engineering,
#5:27:May 55

BONCHEV, B.

RC Oscillators (Resistance-Capacitance Oscillators). Radio Engineering,
#5:28:May 55

BONCHEV, B.

Piezoelectric Arrangements. "RADIO" Ministry of Communications,
#7-8:62:Aug. 55

BONCHEV, B.

Double Air Condenser for Spread Short Waves. "RADIO" Ministry of
Communications, #10:34:Oct. 55

BONCHEV, B.

Single-tube Receiver for Radio Amateur Students. "RADIO" Ministry
of Communications, #11:III:Nov. 55

BONCHEV, B.

Feed Voltage Regulators, "RADIO" Ministry of Communications, #11:IV:Nov. 55

BONCHEV, F.

Piezoteksturi, piezoelectric qualities of potassium sodium tartrate. p. 57.

RADIO. Vol. 5, no. 2, 1956

Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Library of
Congress, Vol. 6, No. 1, January 1957

BONCHEV, B.

Electromagnetic adapter for the guitar. p. 5.

RADIO. Vol. 5, no. 7, 1956

Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Library of
Congress, Vol. 6, No. 1, January 1957

TYUTYULKOV, N. [Tiutiulkov, N.]; BONCHEV, D.

Molecular diagrams of naphthalene, anthracene, biphenyl and biphenylene obtained with single-electron LCAO-MO without electronic interaction recording. Doklady BAN 17 no.11:1035-1038 '64.

1. Institute of Organic Chemistry of the Bulgarian Academy of Sciences. Submitted August 7, 1964.

"Tectonic Problems in the Black Sea Region." p. 25 (DOKLADY, Vol. 3, No. 1, Jan./Mar. 1950
/Published 1951/. Sofiya, Bulgaria.)

So; Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 1954/Unclassified

BONCHEV, E.

"Devnya River springs and their origin" (p.5) PRIRODA I ZNANIE
(Bulgarsko prirodopitatelno druzhestvo) Sofiya Vol 7 No 1 Jan 1954

SO: East European Accessions List Vol 2 No 7 Aug 1954

BOZCHEV, EMIL.

BOZCHEV, EMIL. Geologia na Bulgaria. Sofia, Nauka i izkustvo. (Geology of Bulgaria. illus., ports., maps, bibl., footnotes)

Vol. 1. 1955. 262 p.

BOZCHEV, EMIL.

GEOGRAPHY & GEOLOGY

Bulgaria

So: East European Accessions, Vol. 8, No. 5, May 1957

BONCHEV, E.; CHESHITEV, G.

Karagiuleva, IU. Notes on the stratigraphy of apatite in northeast Bulgaria.
p. 59. (IZVESTIIA, Vol. 4, 1956, Sofia, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9, Sep 1957. Uncl.

BONCHEV, E.

BONCHEV, E. Migration of the Permian and Triassic facies in Bulgaria.
In Russian. p. 59

Vol. 9, no. 2, Apr./June 1956

DOKLADY

SCIENCE

Sofia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957

BONCHEV, E.

BONCHEV, E. A remarkable diagonal swell in Bulgaria. In German p. 63.

Vol. 9, no. 2, Apr./June 1956

DOKLADY

SCIENCE

Sofia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957

BONCHEV, E., and others

"The main lines in the geologic structure of the Eastern Balkan Mountains between the Yantra River Valley and the Black Sea."

p.3 (Izvestiia, Vol. 5, 1957, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

DO NOT REPLY

3(0)
AUTHOR:

Rabinets, A. Ye.; Candidate of Geological-
Mineralogical Sciences

TITLE:

Congress of Geologists of the Carpathians and Balkans (S'vied
geologov karpatskikh i balkanskikh stran)

PERIODICAL:

Vestnik Akademii nauk SSSR, 1959, Nr. 1, pp. 65 - 69 (USSR)

ABSTRACT:

The 4th Congress of the Carpathian-Balkan Association took
place in Kiev and Lvov on September 16-22, 1959, 72 delegates
taking part. Members of the Association of Paleogeographers,
Poland, Rumania, the USSR, Czechoslovakia and Jugoslavia. The
reports discussed tectonics of the Carpathians and their mutual
relationship with the Balkanides, the stratigraphy and paleo-
geography of the Carpathians, the stratigraphy and paleo-
geography of the Balkanides, volcanicity in the Carpathians,
and the formation of different mineral resources in them.

O. S. Vyalov, on behalf of the organizing committee of the
Congress, reported on questions of tectonics of the Soviet
East Carpathians. A. Agel reported on tectonic investigations
in the Carpathians by Czechoslovak geologists.

The Hungarian and Rumanian investigators P. Szirmai, M. Szikszai,
L. Domitrescu, J. Molnar, D. Patrascu reported on the structure
of the South Carpathians. The Balkanides reported on the structure
outlined the mutual relationship between the Carpathians and the
Balkanides. The Polish investigators G. Grzibicki supported

the hypothesis on the deposit structure of the East Carpathians.
J. I. Iljin, M. Filipashu (Rumania), M. Kshizhynskiy (Poland)
and the Czechoslovak researchers - A. Kizev, J. Krasa
reported on questions of stratigraphy and paleogeography. The

Soviet researchers - (M. S. Vassilyevich, O. S. Vyalov) assume
that the formation of flysch deposits in the Carpathians is
associated with the most mobile zones of the earth's crust.

The responsibility of formation of the flysch deposits is
assumed to be the result of the collision of the Carpathians with
East Carpathians. Reports by M. Kardash-Maditskiy (Hungary),
J. Dabubko (Rumania) and the Soviet investigators Ye. I. Lusa-

enko considered questions of volcanicity and conditions of
formation of ore deposits. The Congress emphasized the necessity
of carrying on common investigations in different branches
of geology. For a coordination of these investigations, per-

manent commissions were constituted: for tectonics, strati-
graphy, paleogeography and paleontology, agnates, petrology,
volcanicity and mineralogy, hydrogeology and for tectonic map.

The 5th Congress of the Association is anticipated for 1963
in Rumania.

Card 1/3

Card 2/3

Bonchev, E. ; Dimitrov, S.

Development of the geology sciences and the Geological Institute of the Bulgarian Academy of Science during the people's government and their forthcoming tasks. p. III

Bulgarska akademija na naukite. Geologicheski institut. IZVESTIA. Sofia, Bulgaria. Vol. 7, 1959 .

Monthly list of East European Accessions Index (EEAI), LG, Vol.⁸/no. 12, December 1959

Uncl.

BONCHEV, Ek., akad.; KARAGIULEVA, IU.

Tectonics of the Cisbalkan. Izv Geol inst BAN 10:119-156
'62.

1. Chlen na Redaktsionnata kolegiia i otgovoren redaktor,
"Izvestiia na Geologicheskiia institut" (for Bonchev).

BONCHEV, Ek.; KAMENOV, B.; KOSTOV, Iv.

International Conference of the Association of Carpatho-
Balkan Geologists. Spisanie BAN 7 no.4:133-137 '62.

ALEKSIEV, El.; BONCHEV, Ek.

Geochemical conference honoring the 100th anniversary
of the birth of V. I. Vernadskiy. Spisanie BAN 8
no. 3: 98-99 '63.

BONCHEV, E., akad.

Joint studies of Bulgarian and Yugoslav geologists.
Spisanie BAN 8 no. 3: 122-123 '63.

BONCHEV, Ek.

Some notes on the main breaking structures in Bulgaria.
Trudove vurkhu geol strat 2 5-29 '61.

1. Chl.-kor., chlen na Redaktsionnata kolegiia i org.
redaktor, "Trudove vurkhu geologiiata na Bulgariia.
Seriia stratigrafiia i tektonika".

BONCHEV, Ek.; KARAGIULEVA, IU.

The Sredna Gora anticlinorium and the Stara Planina granite
overthrust. Trudove vurkhu geol strat 2 31-42 '61.

BONCHEV, Ekim, akad.

New concepts on the tectonics of Bulgarian lands. Spisanie
BAN 8 no.2:20-30 '63

GNEDENKO, B. Vl. (Moskva); ANGELINOV, R. [translator]; BONCHEV, E. [translator]

Training of a teacher of mathematics. Mat i fiz Bul 7 no.4:
4-11 Jl-Ag '64.

GNEDENKO, B. Vl. (Moskva); ANGELINOV, R. [translator]; BONCHEV, E.
[translator]

Training of teachers in mathematics. Pt.2. Mat i fiz Bulg
7 no.5:1-9 '64.

BONCHEV, G., min. tehnik

Rational systems of mining, applied in the Borieva Mine.
Min delo 17 no.9:37-39 S. '62.

1. Rudnitsa "Borieva", Durzhavno minno predpriatie "Gorubso".

BONCHEV, I.

BONCHEV, I. Limit moments when cracks appear in nonreinforced rectangular sections and the minimum percentage of reinforcement. p. 25. Vol. 3, no. 8, 1956. STROITELSTVO. Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

BONCHEV, I.

Analytic expression r_n in inspection for cracks in chimneys of reinforced concrete.

p. 7 (STROITELSTVO) Vol. 4, no. 9, 1957,
Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

BONCHEV, K.; KARANOV, G.

Ultrasonic defect detector. p. 56. (Transportno Delo, Vol. 9, No. 2, 1957.
Sofia, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol 6, No. 8, Aug 1957. Uncl

BONCHEV, Ivan, inzh.

Research on drying and creeping of ordinary concrete. Stroitelstvo 8
no.5:22-23 '61.

1. Institut za stopanski izsledvaniia.

(Concrete) (Drying agents)

DONOVAN, K.

Controlling the use of coal in locomotives in accordance with Engineer Kobrishkin's
method. p.15.
(TRANSPORTNO DELO Vol. 7, no. ②, 1955, Sofiya)

S0: Monthly List of East European Accessions, (HEAL). LC, Vol. 4, No. 11,
Nov. 1955, Uncl.

Bonchev, K. Controlling the use of coal in locomotives in accordance with Engineer Kobrizhkin's method. p. 15. TRANSPORTNO DELO. Sofiya. Vol. 7, no. ③ 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 11, Nov. 1955, Uncl.

BONCHEV, K.

New railroad equipment exhibited at the International Fair in Plowdiv. p. 38.
TRANSPORTNO DELO, Vol. 7, No. 10, 1955, Sofiya, Bulgaria.

SO: East European Accessions List, Lib. of Cong., Vol. 5, No. 10, Oct. 1956.

BONCHEV, K.

Technical normalization of consumption of fuel in steam locomotives. p. 31.

TRANSPORTNO DELO. Vol. 8, no. 3, 1956

Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Library of
Congress, Vol. 6, No. 1, January 1957

BONCHEV, K.

"Technical and economic advantages of introducing diesel locomotives in some sections of the railroad lines in Bulgaria."

p.9 (Tekhnika, Vol. 7, no. 1, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

BONCHEV, K.

"Conditions for selecting the type of diesel locomotive to be used in Bulgaria."

p. 13. (Transportno Delo, Vol. 10, No. 4, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, No. 12, Dec 58

BONCHEV, Kuncho N.

Role of locomotive brigades in economizing coal in engines.
Transp delo. 6 no.3:20-28 '54.

1. Nachalnik sektor Toplotekhnika.

BONCHEV, Liubomir

"Gamma rays," ed. by L.A. Sliv. Reviewed by Liubomir Bonchev.
Fiz mat spisanie BAN 5 no.4:317 '62.

GIUROV, At.; BONCHEV, L.; DOBREVA, Ek.; IVANOV, S.; ENCHEVA, M.;
RUTKOVA, L.

Obtaining the zinc oxide monocrystals with ammonia as reducing agent. Godishnik mash elekt 12 no. 1:101-106 '62 [publ. '63].

L 42992-66 EWP(e) WH

ACC NR: AP6031798

SOURCE CODE: BU/0011/65/018/009/0805/0807

AUTHOR: Bonchev, L.; Andreychin, R.

ORG: Physics Institute, BAN

TITLE: Dielectric losses and dielectric permeability of the glass-like semiconductor As_2S_3 containing silver admixture

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 9, 1965, 805-807

TOPIC TAGS: temperature dependence, dielectric loss, dielectric permeability, admixture, arsenic compound, semiconductor conductivity, semiconducting material, semiconductor band structure

ABSTRACT: Glass-like arsenic chalcogenides¹⁵ represent electronic p-type semiconductors. Their high ohmic representatives (As_2S_3 - As_2Se_3 - As_2Te_3) exhibit, at the same time, properties of typical dielectrics. For the explanation of the band structure and the existence of admixture conductivity in glass-like states one must investigate and compare the electrical, optical, and dielectric properties of pure substances and of samples containing a certain amount of admixtures. The present paper gives results of the study of the temperature dependence of dielectric losses (at 700 Kc) and of the dielectric permeability (at 375 Kc) of pure and Ag added As_2S_3 (for As_2S_3 , As_2S_3Ag 0.12, and As_2S_3Ag 0.25 the dielectric constant is 4.05, 4.75, and 5.55, respectively). This paper was presented by Academician G. Nadzhakov on 4 June 1965. The authors thank M. Nikiforov and P. Simidchiev for preparing the research models. Orig. art. has: 2 figures, 1 PRS: 30, 555.
SUB CODE: 09, 07 / SUBM DATE: 04 Jun 65 / ORIG REF: 001 / SOV REF: 002 / OTH REF: 002
Card 1/1

ACC 348 RP6031797

SOURCE CODE: BU/0011/65/018/009/0801/0804

AUTHOR: Borisov, M.; Ivanchev, M.; Marinov, M.; Bonchev, L.

ORG: Physics Institute, BAN

TITLE: Positron annihilation in cadmium sulfide monocrystals

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 9, 1965, 801-804

TOPIC TAGS: positron, particle annihilation, cadmium sulfide, gamma quantum, valence band, conduction band, crystallography

ABSTRACT: The measurements of the angular correlation between two annihilation gamma quanta during two-photon positron annihilation represents one of the simplest methods for the study of electronic structure of substances. The present article reports on such measurements during positron annihilation in cadmium sulfide monocrystals. The authors obtained different curves for low ohmic and high ohmic crystals and the difference is probably due to the fact that in high ohmic crystals positron annihilation proceeds with the electrons of the valence band of the crystal while in low ohmic crystals part of the positrons annihilate with the conduction band electrons. This paper was presented by Academician G. Nadzhakov on 27 May 1965. Orig. art. has: 2 figures. [JPES: 34,525]

SUB CODE: 20 / SUBM DATE: 27May65 / ORIG REF: 001 / SOV REF: 001

Card 1/1 MLP

0919 0343

BULGARIA / Diseases of Farm Animals. Diseases
Caused by Bacteria and Fungi.

R-1

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7312.

Author : ~~Nikola Bonchev~~, Mircho Draganov.

Inst : Not Given

Title : Investigation of the Immunogenic Properties of
Antigens Against Erysipelas of Hogs Obtained
Through Vegetable And Animal Media.

Orig Pub: Nauch. tr. M-vo zemed. Ser. zhivotnov'dstvo i
vet. delo, 1956, 1, No 2, 13-18, (bolg; rez.
russk., angl.).

Abstract: Proposes a soya medium, which is 20 times less
expensive than meat broth, for the obtaining of ery-
sipelas antigen. The antiserum obtained by means
of this antigen has a satisfactory titre.

Card 1/1

Bulgaria/Diseases of farm animals. Diseases Caused by Viruses and Rickettsiae

Year : Vet. Zhur-Biol., No 1, 1956, 2725

Author : Emerdzhiev Bayan, Musev Khristo, Bonechev Nikola, Anristov Stefan, Matyeva Vera

Inst : Not given

Title : Contemporary position concerning the problem of specific immunogenic prophylaxis of acute cholera

Orig. pub : Velskoston. Vis'l. 1956, 1, No 5, 277-285

Abstract : It has been proposed that crystal-violet vaccine should be administered in decreased doses (instead of five and ten milligrams, one and two milligrams respectively) with the help of a stimulator. Into the composition of the latter enter caffeine and an alum derosing substance, which increases the period of resorption

Card 1/3

BONCHEV, N., inzh.

Practical transverter circuits. Radio i televizia 11 no.4:108 '62.

BONGHEV, N.

Cultivation of the pig pneumonia virus in the tissue cultures.
Izv Vet Inst virus 18139-146 '62

BONCHEV, N.; ANDREEV, I.

Virus varriers of the virus pneumonia in pigs. Izv. Vet inst
virus 1:147-151 '62.

BONCHEV, N.; KHRISTOV, St.

Experiments for the preparation of the adsorbate vaccine against the swine plague with the lapinized Rovac virus. Izv Vet inst virus 1&153-156 *62

BONCHEV, N.; KHRISTOV, St.; ANDREEV, I.

Isolation and cultivation of the pig and calf enteroviruses
in the tissue cultures. Izv Vet Inst virus 2:19-24 '63

Preparation of a bivalent serum against the foot-and-mouth
and the Aujeszky's diseases. Ibid.:81-85 '63

BONCHEV, Nik., inzh.-khimik

Polycarbonates, a new group of thermoplastics. Priroda
Bulg 10 no.5:67-71 S-O '61.

SIMEONOVA, Vasilka; BONCHEV, Nikolai

The bee pollen; composition and physiological effect. Priroda
Bulg 13 no.4:101-102 J1-Ag '64.

1. Institute of Nutrition of the Bulgarian Academy of Sciences.

BONCHEV, N.; SANDEV, S.

Amino acid content of meat and milk following normal heat treatment. Vop.pit. 24 no.3:45-46 My-Je '65.

(MIRA 18:12)

1. Institut pitaniya Bolgarskoy akademii nauk, Sofiya. Submitted August 4, 1964.

BONCHEV, P.

Metals of the future; zirconium. Nauka i tekhnolozhiya 14 no.10:
14-15 0 '62.

BONCHEV, P.

Man entered the sea. Nauka i tekhnolozhiya 15 no.7/8:17-21 J1-Ag
'63.

BONCHEV, P. Kh.

Niobium and tantalum. Nauka i tekhn. mladezh 15 no.1:10-11 Jan '63.

BONCHEV, P.

Cesium and rubidium. Nauka i tekhnolozhiya 15 no. 5:22-24
My'63

COUNTRY : Bulgaria D
 CATEGORY :
 ABS. JOUR. : RZKhim., No. 1959, No. 85930
 AUTHOR : Penchev, N.P.; Pencheva, Ye.N.; Bonchev, P.R.
 INST. : Bulgarian Academy of Sciences
 TITLE : Spectrographic Study of Trace-Components of
 Bulgarian Mineral Waters.
 ORIG. PUB. : Dokl. Bolg. AN, 1958, 11, No 5, 375-377
 ABSTRACT : In the most widely known Bulgarian mineral
 waters a qualitative and semi-quantitative determination
 was made, by means of spectrographic analysis, of more
 than 20 trace-components. Of these, Cu, Pb, Fe, Al, Ti,
 and Sr are found in all, or almost all, the waters under
 study. Mn, Zn, V, Ag, are encountered very frequently.
 A certain regularity is observed between the content of
 Mo, Ga, Ge, W, Li, and Ba, and the general hydrochemical
 characteristics of the water. In the case of some of the
 waters there is found a correlation between Li-content and
 the amount of He in the gases associated with the water.
 Cr and Ni are encountered in a few instances, in relatively
 smaller amounts; Co, Be, Sb are quite rare. Data
 CARD: concerning B are not reliable. -- V. Konshin.

S7

BONCHEV, P.R.

Organic acids as activators of homogeneous reactions catalysed
by vanadium (V). Ukr.khim.zhur. 30 no.11:1167-1170 '64.

(MIRA : 8:2)

1. Sofiyskiy universitet imeni Klimenta Okhridskogo.

Bouchev, P.R.

Abstracts and Notes. Latest to astrophysics

PAGE 1 BOOK EXPLANATION 807/57-5-58

Meteorology, Special study, Vp. 15 (Meteorology; Collection of Articles, No. 15)
Moscow, M. 1960. 1,200 copies printed.

14. V.D. Pesenkov, Academician; Deputy Resp. Ed.; Ed. of Publishing
House: I. V. Babitsky, Tech. Ed.; A. P. Gusev.

REPORT. This publication is intended for astrophysicists, astronomers, and geophysicists, particularly those interested in the study of astrophysics.

CONTENTS. This collection of 56 articles on problems in astrophysics includes the
contributions of the Eighth Meteoritic Conference which took place in Moscow,
June 5 - 11, 1958. An introductory article reviews recent progress in the field,
particularly in the matter of determining the age of meteorites. Individual
articles discuss the fall, physical and chemical properties, and age of meteor-
ites. The danger presented by meteorites to aircraft and satellites is dis-
cussed. V.D. Pesenkov describes the theory and advances computations for
determining the distribution of comets in the atmosphere during lunar eclipses.
References accompany individual articles.

ARTICLES

Pesenkov, V.D., Academician. On the Theory of Lunar Eclipses 125

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Radioactivity of Some Meteorites 153

AVAILABILITY: LIBRARY OF CONGRESS 14/507/507

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BONCHEV, P.R.; YATSIMIRSKIY, K.B.

Activation in homogeneous catalysis. Teoret. i eksper. khim. 1 no.2:
179-189 Mr-Apr '65. (MIRA 18:7)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR, Kiyev.

S/081/62/000/002/032/107
B151/B108

AUTHOR: Bonchev, Panayot R.

TITLE: A new catalytic method for the determination of micro-quantities of vanadium

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1962, 147, abstract 2D69 (Godishnik Sofiysk. un-t Fiz.-matem. fak. v. 54, no. 3, 1959-1960 (1961), 179-188)

TEXT: Several new oxidation reactions have been found which are catalyzed by traces of vanadium. It is shown that the catalytic activity of V is activated in the presence of phenolic compounds. The catalytic oxidation of n-phenetidine citrate (I) by K chlorate in the presence of V and phenol has been studied and on the basis of the results obtained a new method for the photometric determination of 0.1-8 μg of V has been developed. To 10 ml of the solution to be analyzed 1 g of NH_4Cl and Rochelle salt are added. The solution is made alkaline to phenolphthalein with ammonia, 5 ml of a 6 %-solution of (I) are added, extracted with chloroform ✓

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(3 times with 15 ml) to remove Pb^{2+} , Fe^{3+} , and Cu^{2+} . The aqueous layer is made acid to bromocresol purple with diluted HCl , and the V is extracted with chloroform (3 times with 10 ml) to separate it from Cr^{3+} and CrO_4^{2-} .

The chloroform extract is evaporated to a small volume and the organic substances decomposed by heating with 1 ml of concentrated HNO_3 and 1 ml

H_2SO_4 containing 5 drops of 70 %- HClO_4 . The residue is evaporated almost to dryness and diluted with a Clark and Labs buffer solution (pH 3.4) to 25 ml. To 5 ml of this solution 10 ml of a solution containing 0.2 % (I) and 2 % phenol are added and then 5 ml of a 3 % solution of KClO_3 . The mixture is diluted to 25 ml with buffer solution (pH 3.4) and held at 95°C in a thermostat for 5 min. It is then cooled with water and the red-violet product from the oxidation of (I) is extracted with chloroform (3 times with 2 ml). It is then examined photometrically with a green filter. The V content is found from a calibration curve. The analysis error is $\pm 5\%$. The method can be used for analyzing biological and geochemical materials. The determination of the V is not upset by $\leq 1 \text{ mg Hg}(2+)$, Ag, Cd, Bi, Al,

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As(5+), Mn(2+), Co, Ni, Ca, Sr, Ba, K, Na, NH_4^+ , Ti, Ga, In, Be, Mo(6+),
and W(6+). A similar catalytic activity to that of vanadium is shown by
(in μg) > 60 of U(6+), > 300 Cr(3+), > 10 Pt(4+), > 5 of Fe(3+), Cu(2+)
and Cr(6+). In the presence of > 100 μg Pb^{2+} the results from the
V determination are lower. [Abstracter's note: Complete translation.]



Card 3/3

BONCHEV, S.

BONCHEV, S. Improving the spool machine. p. 44. Vol. 5, no. 8, 1956
ELEKTROENERGIJA. Sofia, Bulgaria

SOURCE: East European Accessions Lists (EEAL) Vol 6, No. 4--April 1957

BOICHEV, T.

Method of testing the stability of photoelectronic multipliers
with time. Doklady BAN 16 no.7:697-700 '63.

1. Submitted by Academician H.Hristov [Khristov. Kh.].

MITRANI, L.; BONGHEV, T.

Behavior of organic scintillators under high voltage. Doklady
BAN 16 no.5:477-479 '63.

1. Submitted by Academician H. Hristov [Hristov, Kh.].

BONCHEV, TS.

On spectral manifestation of the hydrogen link in the group of dypno-
pinacones. p. 219.

GODISHNIK. MATERMATIKA I FIZIKA. Sofia, Bulgaria, Vol. 50, no. 1, pt. 2.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, No. 1, January 1966.

Uncl.

L 22120-66 EWT(1) IJP(c)

ACC NR: AP6004920

SOURCE CODE: UR/0056/66/050/001/0062/0068

AUTHOR: Bonchev, Ts.; Aydemirski, P.; Mandzhukov, I.; Nedyalkova, N.; Skorchev, B.; Strigachev, A.

ORG: Sofia University "Kliment Okhridski" (Sofiyskiy universitet)

TITLE: A study of ²¹Brownian motion by means of the ²¹Mossbauer effect

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 50, no. 1, 1966, 62-68

TOPIC TAGS: Mossbauer effect, tin, Brownian motion, resonance absorption, viscous fluid, silicone, glycerin, isotope, gamma quantum

ABSTRACT: The authors have investigated the resonance absorption of γ quanta in Sn^{119} in SnO_2 particles suspended in different liquids. The resonance absorption spectra were obtained with a Mossbauer spectrometer with a moving source having a velocity ranging from 0 to 30 mm/sec. The source was $\text{Sn}^{119\text{m}}\text{O}_2$ kept at room temperature. The absorber temperature ranged from -196 to +250°C. Variation of the viscosity of a glycerin suspension by diluting the latter with water, at constant temperature, increased the line width in accordance with the law formulated by Singwi and Sjolander (Phys. Rev. v. 120, 1093, 1960). The same takes place in a

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ACC NR: AP6004920

suspension in a silicone oil whose viscosity is altered by changing the temperature. The results are analyzed from the point of view of the mechanism whereby the γ quantum is absorbed by the SnO_2 . It is concluded that in suspensions, unlike ordinary liquids, the absorption does not occur spontaneously, nor does it occur within a certain time interval of the order of the half-life of the nuclear level, but it must be assumed that the suspension particles stay in equilibrium during some time. The absorption of the γ quantum then depends not only on the instantaneous particle velocity but also on the time interval between the jumplike changes of velocity which occur in suspension, which have a statistical nature similar to that of Brownian motion. This feature uncovers interesting possibilities for the investigation of the structure of liquids and of the γ quantum absorption mechanism. Orig. art. has: 8 figures and 10 formulas.

SUB CODE: 20/ SUBM DATE: 09Aug65/ ORIG REF: 008/ OTH REF: 003

Card 2/2

BK

Bonchey, T.

Electrolytic measurement of contact potential difference between a metal and an electrolyte. *Dr. Lichikova and Irv. Bonchey. Annuaire univ. Sofia 49, Fac. sci. phys. et math., 1955, Pt. 1, 209-10(1953/54)(German summary).*— The potential difference was measured by the relatively simple method of G. Nadzhakov (cf. *Compt. rend.* 225, 1081(1947)). Solns. of NaF, NaCl, NaBr, and NaI and solns. of LiCl, NaCl, and KCl, resp., were used to det. effects of anions and cations. The results were reproducible within ± 15 mv. and were in line with Furth's theory (C.A. 25, 5073). G. Meguerian

MITRANJ, Leon; BONCHEV, Tsvetan

The Mossbauer effect. Resonance absorption of gamma rays. Fiz mat
spisanie BAN 4 no.4:241-249 '61.

BONCHEV, Ts.; MITRANI, L.; ORMANDZHIYEV, S. [Ormandzhiev, S.];
SKORCHEV, B.; UZUNOV, I.

The Moessbauer effect in W^{182} studied with the aid of the $\gamma - \gamma$
coincidence method. Doklady BAN 16 no.1:15-18 '63.

1. Predstavleno akad. Khr. Krhistovym.

BONCH-V, Tav.

Conference on nuclear spectroscopy in Tbilisi. Fiz mat spisanie
BAN 7 no.3:229-230 '64.

L 36030-66

ACC NR: AP6027350

SOURCE CODE: BU/0011/65/018/012/1099/1102...

AUTHOR: Bonchev, T.; Ormandjiev, S.; Zlatareva, A.; Mitrikov, M.; Todorov, P.; Manoushev, B. 43

ORG: Department of Atomic Physics, Sofia University

TITLE: Study of noniron asymmetric two-lens beta spectrometer with corrective coils 19

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 12, 1965, 1099-1102

TOPIC TAGS: radiation spectrometer, optic resolution, chromatic aberration, light aberration, optic lens

ABSTRACT: A new two-lens ironless beta spectrometer has been constructed at the Department of Atomic Physics of Sofia University. By means of several correction coils the instrument attained a satisfactory intensity with a good resolving power (1.9%). The article gives a brief description of the device and presents its characteristics. The improved resolving power is attained by 1) an increase in the inlet angle; 2) a decrease in spherical aberration; and 3) an increase in the coefficient of chromatic aberration. Maximum energy is 4.0 MeV. This paper was presented by Academician H. Hristov on 1 September 1965. Orig. art. has: 5 figures and 2 tables. [Orig. art. in Eng.] [JPRS: 36,467]

SUB CODE: 20 / SUBM DATE: 01Sep65 / SOV REF: 003 / OTH REF: 007

Card 1/1 *PHLP*

ACC NR: AP6027351

SOURCE CODE: BU/0011/65/018/012/1103/1106

AUTHOR: Kamenov, P.; Bonchev, T.

ORG: Laboratory of Nuclear Spectroscopy, Faculty of Physics, Sofia University

TITLE: Induced radiation of gamma quanta ¹⁹ and two-photon photoeffect

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 12, 1965, 1103-1106

TOPIC TAGS: radiation, gamma quantum, radioisotope, tellurium, Mossbauer effect, photoeffect, photon

ABSTRACT: The authors discuss the possibility of experimental observation of induced radiated gamma quanta (inverse Moessbauer effect) and the resulting photoeffect. They describe the design of appropriate devices for the observation of the phenomenon and suggest an isotope (tellurium 125) which may be expected to generate induced radiation. The possible results of such an experiment are also discussed. This paper was presented by Academician H. Hristov on 21 September 1965. Orig. art. has: 3 figures. [Orig. art. in Eng.] [JPRS: 36,465]

SUB CODE: 20 / SUBM DATE: 21Sep65 / SOV REF: 003 / OTH REF: 001

Card 1/1 *11/12P*

BONCHEV, V. S. AND OTHERS

"On a special feature in the tectonics of the Tvurditsa section of the Balkan Mountains."

p. 101 (Bulgarska akademija na naukite. Geologicheski institut. Izvestiia. Vol. 3, 1955, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) IC, Vol., 7 No. 2,
February 1958

BONCHEV, Y. S.

"Professor Georgi N. Zlatarski and his work; on the occasion of the 100th anniversary of his birth."

p. 216 (Bulgarska akademija na naukite. Geologicheski institut. Izvestia, Vol. 3, 1955, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 2, February 1958

BONCHEV Ye. S.
AUTHOR: Bonchev, Ye. S.

5-6-2/42

TITLE: Some Tectonic Problems of the Eastern Part of the Balkan Peninsula in Connection with the Tectonic Problem of the Black Sea Region (Nekotoryye voprosy tektoniki vostochnoy chasti Balkanskogo poluostrova v svyazi s tektonicheskoy problemoy Prichernomor'ya)

PERIODICAL: Byulletin' Moskovskogo Obshchestva Ispytateley Prirody, Otdel Geologicheskiiy, 1957, # 6, pp 13-23 (USSR)

ABSTRACT: The author analyzes the basic structure of the Black Sea region, the Pontic block mass. His conclusions are as follows:
1. The Pontic block mass is a basic structural unit in the Black Sea region. It has a Hercynian foundation and a very thick cover made of epicontinental deposits of Mesozoic and Cenozoic systems.

2. The Pontic block mass is connected directly with the Russian plateau in the region of the "Odessa gate". In other places, the Alpine folded structures which surround the Pontic block mass tilt towards this block. During the Alpine tectonic era, the Pontic block mass was a lower plateau than the surrounding rigid massifs. This relation is preserved in main features up to now.

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Some Tectonic Problems of the Eastern Part of the Balkan Peninsula in Connection with the Tectonic Problem of the Black Sea Region

3. The connection of the Caucasian trough with the Balkanian trough in Jurassic period can be considered as an attempt to destroy the monolithic structure of the Pontic block mass. The Euxenian lifting was the most important factor in shifting the geosyncline southward.

4. Gradually, the Pontic block mass joined the Russian plateau very closely. In the opinion of the author, the Caucasus and the Crimean mountains played an orogenic role which led to this joint.

5. The Pontic block mass reacted to tectonic stresses by the partial formation of elevations and depressions. The most significant elevations occurred in the north-eastern part of Bulgaria, Dobrudja and Crimea. The Euxenian elevation was of importance in the Cretaceous period, but at the present time, it is sunken below the Black Sea level. It can be traced on the map of isobaths of the sea bottom.

Oscillation movements played a great role in the tectonic development of the Pontic block mass. These movements continue up to now. The contemporary sinking of the Black Sea bottom is compensated by the intrablock differential movements and also by

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5-6-2/42

Some Tectonic Problems of the Eastern Part of the Balkan Peninsula in Connection with the Tectonic Problem of the Black Sea Region

the lifting of the surrounding mountains.

The oscillation movements were accompanied by the multiplicity of small fissures characteristic for the western coast of the Black Sea. A considerable part of the recent seismic activity and contemporary landslide can be considered as a result of these oscillation movements.

6. On the other hand, the contemporary Black Sea depression can be considered as a joint of the foot hill depressions of the Carpathian-Balkan-Pontic and Crimean-Caucasian folded structures. This depression is one of the latest; it sinks at present and is compensated partly by sediments.

The article contains 1 tectonic map.

AVAILABLE: Library of Congress

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BONCHEV, Ye.S. (Bolgariya)

Tectonic relationship between the Southern Carpathian and
Belkan Mountains. Mat.Karp.-Balk.assots. no.1:157-164 '60.
(MIRA 14:12)

(Carpathian Mountains--Geology, Structural)
(Balkan Mountains--Geology, Structural)

SOKOLOV, P.P.; BONCHEVA, B. [translator]

How to organize and conduct a lesson. Biol i khim 4 no.5:18-21
'62.

1. Oblasten institut za usuburshenstvuvane na uchitelite gr.
Lipetsk (for Sokolov). 2. Chlen na Redakstionnata kolegiia,
"Biologiia i khimiia" (for Boncheva).

BONCHEVA, B.

Active part and independence of students in the classes of chemistry.
Biol i khim 4 no.5:29-36 '62.

1. 21 SPU, Sofia, i chlen na Redaktsionnata kolegiia, "Biologiya
i khimiia".

BONCHEVA, Bogdana
Sofia (B. Sofia); Given Name

Country: Bulgaria

Academic Degree: not indicated

Affiliation: Teacher at Capital Professional School (SPU) 21
Member of the Staff of Biologiya i Khimiya

Source: Sofia, Biologiya i Khimiya, No 1, 1961, pp 30-35

Data: "Methodical Preparation of 8th Class (8th Grade)
Assignments in Organic Chemistry."

BONCHEVA, BORDANA
SURNAME (in caps); Given Names

3

Country: Bulgaria

Academic Degrees: nbb indicated

Affiliation: Teacher at Capital Professional School (SPU) 21
Member of the Staff of Biologiya i Khimiya

Source: Sofia, Biologiya i Khimiya, No 1, 1961, pp 54-56

Data: "An Apparatus for the Demonstration of Chloroalkaline
Electrolysis."

Co-author:

VLAEVSKI, G.